



August 10, 2011
Project No. 8128.01.08

Mr. Dana Bayuk
Oregon Department of Environmental Quality
2020 SW 4th Avenue
Portland, Oregon 97201-4987

Re: Monthly Progress Report—July 2011
Siltronic Corporation
7200 NW Front Avenue, Portland, OR
ECSI #183

Dear Dana:

Maul Foster & Alongi, Inc. (MFA) has prepared this progress report (Report) in accordance with the requirements of the *Order Requiring Remedial Investigation (RI) and Source Control Measures* (the Order), Oregon Department of Environmental Quality (DEQ) No. VC-NWR-03-16, issued to Siltronic Corporation (Siltronic) on February 9, 2004. The reporting period for this Report is July 1, 2011, through July 31, 2011. The next report is due September 10, 2011.

The report organization follows that of the previous progress reports.

ACTIONS TAKEN UNDER THE ORDER SINCE THE PREVIOUS PROGRESS REPORT

Communications

On July 5, 2011, DEQ requested an update regarding the status of requested details regarding the combustible gas monitoring program prior to initiating the fill zone injection program.

On July 14, 2011, MFA provided a response regarding the requested details. DEQ subsequently required a Subslab Vapor Work Plan, and provided draft EPA guidance regarding installation of the subslab vapor monitoring point.

On July 22, 2011, MFA submitted the Subslab Vapor Work Plan, and notified DEQ that installation was scheduled for July 25, 2011. DEQ subsequently reviewed and approved the document.

On July 26, 2011, DEQ provided comments on MFA's June 14, 2011 response and approved initiating fill zone injections subject to confirmation that their comments would be incorporated. On July 28, 2011, MFA provide the requested confirmation. On July 29, 2011, DEQ acknowledged receipt of the confirmation and approved initiating fill zone injections.

Fieldwork

The subslab vapor point was installed on July 25, 2011 and sampled on July 28, 2011.

Group 3 PMW monitoring sampling continued through July.

Monthly water levels were collected on July 20, 2011. The monthly water levels are included in the attached MS Excel file.¹

Measurements of dense, non-aqueous phase liquid (DNAPL) from former manufactured gas plant (MGP) operations were collected in selected Group 1 and 2 PMWs on July 22 and July 27, 2011. MGP DNAPL was detected in the following PMWs:

- WS-33-81 (thickness 0.85 ft., estimated based on staining of bailer).
- WS-43-36 (thickness 8.06 ft., measured using interface probe); this well is located between supplemental injection zones A and B.
- WS-15-85 (thickness 4.8 ft., measured using interface probe).

Samples of MGP DNAPL were collected and submitted for analysis.

Actions to Be Taken in the Next Two Months

Groundwater elevations and DNAPL screening will be collected in August and September. Performance monitoring in the Group 1, 2, and 3 wells will continue in August; performance monitoring in the Group 3 wells will continue in September. Quarterly monitoring will continue in August.

MFA commenced and will continue fill WBZ injections in early August, along with combustible gas monitoring system installation and soil vapor monitoring.

TEST RESULTS AND DATA RECEIVED SINCE THE PREVIOUS PROGRESS REPORT

Data through the July 2011 sampling events has been received but validation is not yet complete. Consistent with DEQ comments, the content and format of data submittal memoranda evaluating these data will be developed following DEQ review of the updated and revised PMP. The attached (electronic only) MS Excel data file contains all PMW and quarterly monitoring data received and validated through the end of the reporting period (July 31, 2011). As noted previously, RAO 1 for the source area has been met in all of the Group 1 and 2 PMWs.

¹ Includes monthly water levels from January-June 2011; water levels from preceding years have previously been submitted.

PROBLEMS EXPERIENCED SINCE THE PREVIOUS PROGRESS REPORT

No additional problems were experienced.

Please call either of us at (971) 544-2139 if you have questions or comments.

Sincerely,

Maul Foster & Alongi, Inc.



James G.D. Peale, RG
Senior Hydrogeologist



Ted Wall, PE
Oregon Operations Director

Attachments: Groundwater Data Received and Validated through Reporting Period and
Water Level Data—MS Excel file (electronic only)

cc: Tom McCue, Siltronic Corporation
Alan Gladstone, Davis Rothwell Earle and Xochihua
Chris Reive, Jordan Schrader Ramis
Jim Anderson, DEQ
Kristine Koch, EPA
Sean Sheldrake, EPA Seattle
Rene Fuentes, EPA Seattle
Chip Humphrey, EPA Portland
Lance Peterson, CDM
Bob Wyatt, NW Natural
Patty Dost, Pearl Legal Group LLC
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